



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

MAR 09 2018

D139-799-039
Job Sheet 173407



Part No: D139-799-039

Job Qty: 2 ea

Part Name: AW139 Easy Access Engine Oil Drain



Part Weight: 0 lbs

Status: Scheduled

Priority: High

Job Created: 3/1/18

Job Tracking No:

Due Date: 3/9/18

Created By: Linda Lacelle

Type: SOLD

Description:

Note: IIN-D139-799 REV.O IPP REV:A 16.10.07 NEW ISSUE DD VERF:JFS IPP REV:B 17.09.18 AS PER IIN
REV.N DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	2 Ea	3/9/18	3/9/18	0.00	0.00	Start Up Stores/Pkg-1		MAR 20 2018
110	Packaging	2 pcs	3/9/18	3/9/18	0.00	0.00	Packaging1-1		MAR 28 2018
120	QC	2 pcs	3/9/18	3/9/18	0.00	0.00	QC4		Smf
125	DC	2 pcs	3/9/18	3/9/18	0.00	0.00	DC		Smf
130	Packaging	2 pcs	3/9/18	3/9/18	0.00	0.00	Packaging3-1		Smf
140	QC21-FG	2 Ea	3/9/18	3/9/18	0.00	0.00	QC21		DAS

Part Op 125 - Photocopy bluefile & type labels per PPP D139-799-039 CHG003
Descriptions: 130 - Identify and pack for shipping as per PPP D139-799-039

21
9-20 MAR 29 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3C3A	Bolt	20 Ea (10 ea)	90-Start up Operation	5019397
AS3208-06	Packing	4 Ea (2 ea)	90-Start up Operation	5001689
D5370-1	Fitting	4 Ea (2 ea)	90-Start up Operation	F166343
D5373-11	Oil Drain Line	2 Ea (1 ea)	90-Start up Operation	5001757
D5373-3	Oil Drain Line	2 Ea (1 ea)	90-Start up Operation	5001241
D5373-7	Oil Drain Line	2 Ea (1 ea)	90-Start up Operation	5001234
D5373-9	Oil Drain Line	2 Ea (1 ea)	90-Start up Operation	5001276
D5521-041	Oil Drain Hose Assembly	8 Ea (4 ea)	90-Start up Operation	505477
D5522-041	Oil Drain Valve Assembly	2 Ea (1 ea)	90-Start up Operation	5054335
D5522-042	Oil Drain Valve Assembly	2 Ea (1 ea)	90-Start up Operation	5054866
MS21043-3	Nut	20 Ea (10 ea)	90-Start up Operation	5016882
MS21919-WDG7	Clamp	4 Ea (2 ea)	90-Start up Operation	5000373
MS21919WDG10	Clamp	12 Ea (6 ea)	90-Start up Operation	5006433
MS27039C1-12	Screw	4 Ea (2 ea)	90-Start up Operation	FM135884-20
MS27039C1-14	Screw	4 Ea (2 ea)	90-Start up Operation	FM29406
MS9592-005	Bracket	4 pcs (2 ea)	90-Start up Operation	FM138622
NAS1149C0332R	Washer	48 Ea (24 ea)	90-Start up Operation	5019380
SW-6-TEF	Teflon Spiral Wrap	6 ft (3 ea)	90-Start up Operation	FM138597

3054
305474
305435

061616

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Engineering Quality ☐ Other ☐			
Date : _____		Step #: _____		QTY Effective : _____			
Description Work Order Deviation				Disposition			

Root Cause		FAULT CATEGORY	
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____	
Misidentified ☐	Past Due ☐		

Pow ☐	Wrong ☐
Folic ☐	Dimensions ☐
Grain ☐	Over/Under tolerance ☐
Weld ☐	Part Incorrect ☐
Wrong Stock Pulled ☐	Part Lost/Missing ☐
Out of Sequence ☐	Part Moved ☐
Off-set ☐	Drawing ☐
Mislabeled ☐	Finish ☐
Fit/Function ☐	Misread ☐
Misaligned/off center ☐	Turning Sequence ☐

DART AEROSPACE
 Container No: S052957
 Part: D139 - 799 - 039
 Job No: 173407
 Serial No/Batch: S052957
 Revision: 0
 Inspector: _____
 Date: 03/20/19

Dart Aerospace Ltd.
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 www.dartaerospace.com

2) Approval

By _____

Supervisor
VerificationCoordinator
Approval

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN3C3A	20	518	0
	AS3208-06	4	104	0
	D5370-1	4	16	0
	D5373-11	2	9	0
	D5373-3	2	9	0
	D5373-7	2	9	0
	D5373-9	2	9	0
	D5521-041	8	8	0
	D5522-041	2	2	0
	D5522-042	2	2	0
	MS21043-3	20	1,096	0
	MS21919-WDG7	4	28	0
	MS21919WDG10	12	63	0
	MS27039C1-12	4	50	0
	MS27039C1-14	4	63	0
	MS9592-005	4	48	0
	NAS1149C0332R	48	4,350	0
	SW-6-TEF	6	97	0

Part Specifications

Specifications could not be found.

Plex 3/1/18 1:44 PM dart.lacelle.linda

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER :					



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Container View (Active) - Master Unit Containers

Master Unit No	Container No	Part No	Part Name	From Container	Current Location	Quantity
001616	S050726	AN3C3A	Bolt	S019392	ST350	20
001616	S050725	AS3208-06	Packing	S001689	ST556	4
001616	S050722	D5370-1	Fitting	F166343	ST159	4
001616	S050715	D5373-11	Oil Drain Line	S001757	ST212	2
001616	S050718	D5373-3	Oil Drain Line	S001241	ST212	2
001616	S050714	D5373-7	Oil Drain Line	S001234	ST212	2
001616	S050713	D5373-9	Oil Drain Line	S001776	ST212	2
001616	S050705	MS21043-3	Nut	s016882	ST302	20
001616	S050699	MS21919-WDG7	Clamp	s000373	ST293	4
001616	S006933	MS21919WDG10	Clamp		ST293	12
001616	S050694	MS27039C1-12	Screw	fm135884-20	ST277	4
001616	S050693	MS27039C1-14	Screw	fm129406	ST277	4
001616	S050692	MS9592-005	Bracket	fm138622	ST267	4
001616	S050675	NAS1149C0332R	Washer	S019380	ST266	48
001616	S050730	SW-6-TEF	Teflon Spiral Wrap	fm138597	ST572	6

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

Plex 3/13/18 1:02 PM dart.quirion.sonia

Qty -035	Qty -036	Qty -037	Qty -038	Part Number	Description
X				D139-799-035	HEAVY DUTY REPLACEMENT CABIN STEP KIT LH
	X			D139-799-036	HEAVY DUTY REPLACEMENT CABIN STEP KIT RH
		X		D139-799-037	LIGHT WEIGHT REPLACEMENT CABIN STEP KIT LH
			X	D139-799-038	LIGHT WEIGHT REPLACEMENT CABIN STEP KIT RH
1				D5235-041	LH STEP ASSEMBLY
	1			D5235-042	RH STEP ASSEMBLY
		1		D5235-043	LH STEP ASSEMBLY
			1	D5235-044	RH STEP ASSEMBLY
1	1	1	1	*D5271-1	FORWARD AIRCRAFT FITTING
1		1		*D5271-3	LH AFT FITTING
	1		1	*D5271-4	RH AFT FITTING
1	1	1	1	*D5272-1	FORWARD TUBE
1	1	1	1	*D5272-3	AFT TUBE
2	2			*D5273-041	END FITTING ASSEMBLY
		2	2	*D5273-043	END FITTING ASSEMBLY
1	1			*D5274-1	STEP EXTRUSION
		1	1	*D5274-3	STEP EXTRUSION
14	14	14	14	*D5291-041	RADIUS BLOCK ASSEMBLY
12	12	10	10	*MS24694-S50	SCREW
14	14	14	14	*MS24694-S98	SCREW
28	28	28	28	*MS20426AD4-6	RIVET

*Part of D5235-041/-042/-043/-044 assembly, above.

Qty -039	Part Number	Description
X	D139-799-039	ENGINE OIL DRAIN KIT
2	D5370-1	FITTING
1	D5373-3	OIL DRAIN LINE
1	D5373-7	OIL DRAIN LINE
1	D5373-9	OIL DRAIN LINE
1	D5373-11	OIL DRAIN LINE
4	D5521-041	OIL DRAIN HOSE ASSY
1	D5522-041	OIL DRAIN VALVE ASSY
1	D5522-042	OIL DRAIN VALVE ASSY
10	AN3C3A	BOLT
2	AS3208-06	PACKING
2	MS9592-005	BRACKET
10	MS21043-3	NUT
2	MS21919WDG7	CLAMP
6	MS21919WDG10	CLAMP
2	MS27039C1-12	SCREW
2	MS27039C1-14	SCREW
24	NAS1149C0332R	WASHER
3 ft	SW-6-TEF	TEFLON SPIRAL WRAP